**WEIGHTS**

Design Curb Weight: 1271 lbs
Delivered Curb Weight: 1539 lbs
Distribution F/R: 47/53%
GVWR: 2100 lbs
GAWR F/R: 1023/1317 lbs
Payload: 561 lbs

**DIMENSIONS**

Wheelbase: 102.1 inches
Track F/R: 47.0/45.1 inches
Length: 131.1 inches
Width: 57.7 inches
Height: 69.1 inches
Ground Clearance: > 5.0 inches
Performance Goal: ≥ 5.0 inches

**CHARGER**

Location: On-board
Type: Conductive
Input Voltages: 115/230 VAC

**TIRES**

Tire Mfg: Nankang
Tire Model: NY361
Tire Size: 165/70R12
Tire Pressure: 35 psi
Spare Installed: No

**PERFORMANCE STATISTICS**

Acceleration (0-20 mph) @ 332 lbs Payload
At 100% SOC: 5.3 seconds
At 50% SOC: 5.8 seconds
Performance Goal: 6.0 seconds

Maximum Speed @ 170 lbs Payload
(FMVSS 49 CFR 571.500 S5.a)
At 100%: 24.0 mph
Performance Goal: ≤ 25 mph

Maximum Speed @ 332 lbs Payload
At 100% SOC: 24.1 mph
At 50% SOC: 23.9 mph

At Maximum Speed Range
Range: 40.5 miles
Energy Used: 4.35 kWh
Efficiency: 107.5 Wh/mile
Specific Energy: 22.3 Wh/kg

Braking From 20 mph
Controlled Dry: 30.5 feet
Controlled Wet: 29 feet
Panic Wet: 25.9 feet
Course Deviation: 0.0 feet

Handling
Average time: 81.3 seconds
Average NEV Time: 78.4 seconds

Gradeability (Calculated)
Maximum Speed @ 3%: 22.0 mph
Maximum Speed @ 6%: 19.4 mph
Maximum Grade: 30%

Charging Efficiency:
Efficiency: 169 Wh-AC/mi
Energy Cost: @ $0.10/kWh: $0.0169/mi

Charger
Max Ground Current: 3.64 mA
Max Battery Leakage: 0.015 MIU
Max DC Charge Current: 11.71 A
Max AC Charge Current: 9.18 A
Peak Demand: 1019 W
Time to Recharge: 6 hours 52 minutes
Performance Goal: 12 hours

This vehicle meets all EV America Minimum Requirements listed on back.

Values in red indicate the Performance Goal was not met. All Power and Energy Values are DC unless otherwise specified.
This vehicle complies with mandatory requirements of NEV America Vehicle Technical Specification, Revision 1 as follows.

1. Vehicles shall comply with Federal Motor Vehicle Safety Standard 500 as promulgated on the date of manufacture. Such compliance shall be certified by the Supplier in accordance with 49 CFR 567.

2. Suppliers shall provide a completed copy of Appendix A and Appendix B with their proposal providing vehicle specifications and the method of compliance, if any, with each listed section of 49 CFR 571.100.

3. Vehicles shall be certifiable under current California Air Resources Board (CARB) regulations as vehicles that meet ZEV emission requirements and qualify for ZEV credits. If the vehicle is equipped with a fuel-fired heater, the heater shall also comply with this requirement.

4. Suppliers shall provide Material Safety Data Sheets (MSDS) for all unique hazardous materials supplied with the vehicle.

5. Suppliers shall provide recycling plans for batteries and other vehicle hazardous materials including how the plan has been implemented.

6. Suppliers shall comply with the FCC requirements for unintentional emitted electromagnetic radiation, as identified in 47 CFR 15, Subpart B, “Unintentional Radiators.”

7. Vehicles shall have a minimum payload of at least 400 pounds.

8. Suppliers shall provide the curb weight and rated payloads of their vehicles.

9. For conversion vehicles, Suppliers shall specify the OEMs gross vehicle weight rating (GVWR) and shall not exceed such rating.

10. For conversion vehicles, OEM Gross Vehicle Axle Weight Ratings (GAWR) shall not be increased.

11. Suppliers shall provide axle weights for the vehicle as delivered, and at full rated payload.

12. Odometers shall be provided as standard equipment or as an option and shall have an accuracy of at least ± 5%.

13. The Supplier shall offer a standard or an optional tire conforming to the following requirements:
   - Tires provided shall correspond to the requirements of the placard installed in accordance with 49 CFR 571.109, and 110, as applicable,
   - Suppliers shall specify manufacturer, model and size of the standard tire for the vehicle and for the tire provided,
   - Tire size and inflation pressure for the tire provided shall be in accordance with the requirements of the placard,
   - At no time shall the tire’s inflation pressure exceed the maximum pressure molded into that tire’s sidewall,
   - The tire provided shall be operable across the entire operation/load range of that vehicle,
   - Replacement tires provided shall be commercially available to the end user in sufficient quantities to support the purchaser’s needs, and
   - Tires provided as original equipment by the Supplier shall not have warranty restrictions in excess of those of the tire’s manufacturer, unless the Supplier provides the warranty for the tires.

14. Seating capacity shall be a minimum of 1 driver. Suppliers shall specify seating capacity (available seat belt positions) for their vehicle. If a conversion vehicle’s seating capacity is changed from that specified by the OEM on their FMVSS placard, the seat(s) being added or abandoned shall be modified as required by 49 CFR 571.207, et al, and a new FMVSS placard installed as required by 49 CFR 567, 568 or 571, as applicable.

15. For conversion vehicles, the OEM passenger space shall not be intruded upon by the batteries or other conversion materials.

16. The controller/inverter shall limit the maximum battery discharge to prevent degradation of battery life (see Section 6.3) and loss of vehicle operability or shall indicate to the vehicle operator that the battery will be damaged by continued vehicle operation. Such limit and/or indication shall be repeatable and accurate to at least 10% battery state of charge.

17. Regenerative braking shall not adversely impact the vehicle’s service brake capability on varying road surfaces.

18. Vehicles shall comply with the requirements of 49 CFR 571.105.SS.2.1, or alternatively, 49 CFR 571.105.SS.2.2 for parking mechanisms.

19. The vehicle top speed shall not exceed 25 mph when tested in accordance with 49 CFR 571.300.

20. Vehicles shall comply with the NEV America Handling Test NTP-004 Revision 1 and Rough Road Test NTP-005 Revision 1 including (1) driving through two (2) inches of standing water at a speed of 20 mph without damage and without battery to chassis leakage current exceeding 0.5 MIU per UL Standard 2202, and (2) standing for extended periods in extreme temperatures without damage to or failure of the vehicle or its systems. Vehicles should be capable of completing the NEV America Rough Road Test NTP-005 Revision 1 without becoming inoperable.

21. Vehicle shall be capable of completing all NEV America tests without repairs exceeding a cumulative total of 72 hours.

22. If vehicle batteries require active ventilation for charging, the vehicle shall be so marked.

23. Suppliers shall indicate the depth of discharge below which the batteries should not be discharged.

24. Suppliers shall provide a description of areas of non-compliance (if any) with the requirements of Section 6.5.

25. Concentrations of explosive gases in the battery box shall not be allowed to exceed 25% of the LEL (Lower Explosive Limit).

26. Suppliers shall provide a description of areas of non-compliance (if any) with the requirements of SAE J1718 on Battery Gas Evolution.

27. Maintenance requirements for the batteries shall be described and any associated cost(s) to the consumer/end user should be clearly defined.

28. Suppliers shall not contain exposed conductors, terminals, contact blocks or devices of any type that create the potential for personnel to be exposed to 60 volts or greater (the distinction between low-voltage and high voltage, as specified in SAE J1127, J1128, et al.).

29. Access to any high voltage components shall require the removal of at least one bolt, screw, cover or latch.

30. Devices considered to be high voltage components shall be clearly marked as HIGH VOLTAGE.

31. Suppliers shall provide a description of areas of non-compliance (if any) with the requirements of SAE J1127, J1128, et al.

32. Maintenance requirements for the batteries shall be described and any associated cost(s) to the consumer/end user should be clearly defined.

33. Suppliers shall provide a description of areas of non-compliance (if any) with the requirements of Section 6.5.

34. Suppliers shall provide a description of areas of non-compliance (if any) with the requirements of SAE J1718 on Battery Gas Evolution.

35. Maintenance requirements for the batteries shall be described and any associated cost(s) to the consumer/end user should be clearly defined.

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